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What is claimed is:

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CLAIMS

1 1. A computer system comprising:
2 a memory device to store a plurality of texture coordinates associated with vertices of
3 three dimensional objects;
4 a graphics device to couple to said memory device and to process internal texture
5 coordinates for display; and
6 a mapping system to appropriately route select ones of said plurality of texture
7 coordinates from said memory device to said graphics device.

1 2. The computer system of claim 1, further comprising a display device to display an image
2 based on an output of said graphics device.

1 3. The computer system of claim 1, wherein said graphics device comprises a plurality of
2 mapping engines each to process a separate one of said internal texture coordinates.

1 4. The computer system of claim 3, wherein said graphics device further comprises a plurality
2 of registers, each corresponding to a separate one of said plurality of mapping engines.

1 5. The computer system of claim 4, wherein a value within each of said registers corresponds
2 to a source of the texture coordinate for said corresponding mapping engine.

1 6. The computer system of claim 5, wherein said source comprises one of: a default and one
2 of said plurality of said texture coordinates in said memory device.

1 7. The computer system of claim 4, wherein said mapping system assigns a value into each
2 register to select the appropriate texture coordinate.

1 8. A computer system comprising:
2 a memory device to store a plurality of texture coordinates associated with vertices of
3 three dimensional objects;
4 a graphics device having a plurality of mapping engines each to map at least one of
5 said objects based on a plurality of internal texture coordinates; and
6 a mapping system to transfer select ones of said plurality of texture coordinates in said
7 memory device to said mapping engines without transferring unselected ones of said plurality of texture
8 coordinates from said memory device to said graphics device.

1 9. The computer system of claim 8, further comprising a display device to display an image
2 based on an output of said graphics device.

1 10. The computer system of claim 8, wherein said graphics device further includes a plurality
2 of registers, each corresponding to a separate one of said plurality of mapping engines.

1 11. The computer system of claim 10, wherein said mapping system assigns a value to each
2 register so as to select a source of the internal texture coordinates for each of said mapping engines.

3 12. The computer system of claim 11, wherein said source comprises one of: a default and
4 one of said plurality of said texture coordinates in said memory device.

1 13. A graphics device for creating an image based on internal texture coordinates received
2 from a memory device, said graphics device including a plurality of mapping engines and a plurality of
3 registers, each register corresponding to a source of texture coordinate values for one of said mapping
4 engines.

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7 memory device to mapping engines.

1 18. The method of claim 17, wherein said select ones of said plurality of texture coordinates
2 are transferred from said memory device to said mapping engines without transferring unselected ones
3 of said plurality of texture coordinates.

1 19. The method of claim 17, wherein said selecting comprises associating a source of texture
2 coordinates for each of said mapping engines.

20. The method of claim 19, wherein said associating comprises, for each mapping engine,
setting a value of a register corresponding to said each mapping engine.

21. The method of claim 20, wherein said value corresponds to one of: a default value and one
of said plurality of texture coordinates values.

1 22. A program storage device readable by machine, tangibly embodying a program of
2 instructions executable by the machine to perform a method comprising:

3 selecting ones of a plurality of texture coordinate values in a memory device, said
4 plurality of texture coordinates values being associated with vertices of three dimensional objects; and
5 transferring said select ones of said plurality of texture coordinates values from said
6 memory device to mapping engines.

1 23. The program storage device of claim 22, wherein said select ones of said plurality of
2 texture coordinates are transferred from said memory device to said mapping engines without
3 transferring unselected ones of said plurality of texture coordinate values.

1 24. The program storage device of claim 22, wherein said selecting comprises associating a
2 source of texture coordinates for each of said mapping engines.

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